

Abstract

A cruise control system for motor vehicles is described, having a sensor device for measuring the vehicle's operating parameters and for measuring the distance to an object located in front of the vehicle, and having a controller for controlling the vehicle's speed or acceleration as a function of the measured operating parameters and distance data, the controller having a stop-and-go function for automatically controlling driving off, rolling, and stopping as a function of the movements of the object, and being designed for the purpose of continuously checking the sensor device during the stop-and-go operation for one or multiple predefined conditions (S3, S4) which contradict a safe stop-and-go operation, and which, in the presence of such a condition, initiates a procedure (S7, S8, S9) for the shutdown of the stop-and-go function.

(Figure 3)